

## WEST Search History





DATE: Friday, October 29, 2004

Hide?	Set Name	Query	Hit Count
		<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>	
<input type="checkbox"/>	L25	4695002.pn.	2
<input type="checkbox"/>	L24	4214746.pn.	3
<input type="checkbox"/>	L23	library and l16	4
<input type="checkbox"/>	L22	library and l17	1
<input type="checkbox"/>	L21	library and l17	1
<input type="checkbox"/>	L20	library and l1	1
<input type="checkbox"/>	L19	L17 and l7	2
<input type="checkbox"/>	L18	l4 and l17	1
<input type="checkbox"/>	L17	thread same ((wrap or wrapped or wound or winding or wind) and spiral and spool)	615
<input type="checkbox"/>	L16	thread same ((wrap or wrapped or wound or winding or wind) and spiral)	4741
<input type="checkbox"/>	L15	l7 and L13	27
<input type="checkbox"/>	L14	l4 and L13	0
<input type="checkbox"/>	L13	ribbon same (wrap or wrapped or winding or wind)	18551
<input type="checkbox"/>	L12	l10 not l6	9
<input type="checkbox"/>	L11	l10 not l6L10	19
<input type="checkbox"/>	L10	l4 and L9	19
<input type="checkbox"/>	L9	thread same (wrap or wrapped or wound or winding or wind)	61603
<input type="checkbox"/>	L8	l7 and l5	30
<input type="checkbox"/>	L7	peptide	178621
<input type="checkbox"/>	L6	l4 and L5	10
<input type="checkbox"/>	L5	thread same (wrap or wrapped)	11799
<input type="checkbox"/>	L4	combinatorial same librar\$	15874
		<i>DB=PGPB,USPT; PLUR=YES; OP=OR</i>	
<input type="checkbox"/>	L3	5688696.pn.	1
<input type="checkbox"/>	L2	optical adj fiber and L1	1
<input type="checkbox"/>	L1	20020006604.pn.	1

END OF SEARCH HISTORY



FULL ESTIMATED COST

0.21

0.21

FILE 'MEDLINE' ENTERED AT 20:33:01 ON 29 OCT 2004

FILE 'BIOSIS' ENTERED AT 20:33:01 ON 29 OCT 2004  
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FILE 'CAPLUS' ENTERED AT 20:33:01 ON 29 OCT 2004  
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FILE 'WPIDS' ENTERED AT 20:33:01 ON 29 OCT 2004  
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=> s thread and (wrap or wrapped or winding or wind)  
L1 7740 THREAD AND (WRAP OR WRAPPED OR WINDING OR WIND)

=> s library  
L2 265850 LIBRARY

=> s l1 and l2  
L3 2 L1 AND L2

=> dup rem l3  
PROCESSING COMPLETED FOR L3  
L4 2 DUP REM L3 (0 DUPLICATES REMOVED)

=> d ibib abs l4 1-2

L4 ANSWER 1 OF 2 WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN  
ACCESSION NUMBER: 2002-049467 [06] WPIDS  
CROSS REFERENCE: 2000-365739 [31]; 2001-513718 [56]; 2002-033276 [04];  
2002-469994 [50]  
DOC. NO. NON-CPI: N2002-036548  
DOC. NO. CPI: C2002-013974  
TITLE: Pressure regulator assembly, e.g. for high throughput  
purification of samples from chemical **library**,  
comprises axially movable stem and mounting rod in  
regulator body, with adjuster that has dual concentric  
**thread**.  
DERWENT CLASS: B04 J01 J04 S03  
INVENTOR(S): KRAKOVER, J D; MAIEFSKI, R; WENDELL, D  
PATENT ASSIGNEE(S): (ONTO-N) ONTOGEN CORP  
COUNTRY COUNT: 97  
PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
-----					
WO 2001086283	A2	20011115	(200206)*	EN	120
RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ					
NL OA PT SD SE SL SZ TR TZ UG ZW					
W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK					
DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR					
KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU					
SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW					

AU 2001061545 A 20011120 (200219)  
 US 6355164 B1 20020312 (200221)  
 US 6358414 B1 20020319 (200224)  
 US 6458273 B1 20021001 (200268)  
 EP 1281075 A2 20030205 (200310) EN  
 R: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT  
 RO SE SI TR  
 JP 2004510126 W 20040402 (200424) 183

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 2001086283	A2	WO 2001-US15469	20010511
AU 2001061545	A	AU 2001-61545	20010511
US 6355164	B1 CIP of	US 1999-430194	19991029
		US 2000-569382	20000511
US 6358414	B1 CIP of	US 1999-430194	19991029
		US 2000-569377	20000511
US 6458273	B1 CIP of	US 1999-430194	19991029
		US 2000-569378	20000511
EP 1281075	A2	EP 2001-935450	20010511
		WO 2001-US15469	20010511
JP 2004510126	W	JP 2001-583176	20010511
		WO 2001-US15469	20010511

FILING DETAILS:

PATENT NO	KIND	PATENT NO
AU 2001061545	A Based on	WO 2001086283
US 6458273	B1 CIP of	US 6309541
EP 1281075	A2 Based on	WO 2001086283
JP 2004510126	W Based on	WO 2001086283

PRIORITY APPLN. INFO: US 2000-569382 20000511; US  
 2000-569374 20000511; US  
 2000-569377 20000511; US  
 2000-569378 20000511; US  
 1999-430194 19991029

AN 2002-049467 [06] WPIDS  
 CR 2000-365739 [31]; 2001-513718 [56]; 2002-033276 [04]; 2002-469994 [50]  
 AB WO 200186283 A UPAB: 20040408

NOVELTY - Pressure regulator assembly, for use in high throughput system, comprises a regulator body, a nozzle, and stem one end of which is attached a mounting rod. These are axially movable in the regulator body, with an adjuster that has a dual concentric **thread**, engaging mounting rod and stem in opposite direction at different rate.

DETAILED DESCRIPTION - Pressure regulator assembly, for use in high throughput system with a fluid channel, comprises inlet and outlet lines; a regulator body with a chamber in fluid communication with inlet and outlet lines connected to fluid channel inlet and outlet respectively, a nozzle connected to regulator inlet, with nozzle outlet adjacent to chamber, stem axially aligned with nozzle outlet, with one end forming regulating surface adjacent to the nozzle outlet and positioned to restrict fluid flow through the chamber to the regulator outlet, and the other end forming a mounting portion, to which is attached a mounting rod. These are axially movable in the regulator body relative to the nozzle outlet, with an adjuster that has a dual concentric **thread**, one engaging the mounting rod and stem in one direction at one rate relative to the nozzle outlet, and the other in the opposite direction at another rate. The difference between the two rates of movement of the threads

provides an attenuated movement of the regulating surface to selectively adjust a fluid flow pressure in the chamber. A drive mechanism is connected to the adjuster to rotate it for axial adjustment of the stem.

INDEPENDENT CLAIMS are included for;

(1) a microsampling device for use in a high throughput fluid system using the pressure regulator assembly, where an actuator is coupled to the stem between two positions;

(2) a high throughput liquid chromatography column to receive a selected sample for through flow, comprising a loading column and a separation column;

(3) a method of chromatographically separating a selected sample to achieve a desired separation using the above column; and

(4) a fraction collector assembly to collect a purified target portion of a selected sample, comprising a frame, a dispensing head movable along the frame along there axes, a receiving container with wells to accept the target portion, a docking station releasably holding the container and a computer controller to identify the docking position;

USE - The pressure regulator assembly is useful in high throughput purification of samples from a chemical **library**.

ADVANTAGE - Current methods for analysis of automatically synthesized compounds can produce erroneous results, due to excessive impurities, which require verification of additional samples, and hence increases cost and time to identify that a target compound has been located. Conventional purification techniques are very slow and expensive, and often require large amounts of solvent. Additional methods require careful pressure and temperature monitoring that is difficult to accurately and reliably control in the long term. High speed multiple chamber systems require complex and cumbersome operation. Further, erosive environments can damage the valve components, which calls for materials that are susceptible to breakage or cracking. The invention automatically, quickly and economically purifies samples.

DESCRIPTION OF DRAWING(S) - The drawing shows a multiple channel high throughput purification system.

Dwg.3/28

L4 ANSWER 2 OF 2 WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN

ACCESSION NUMBER: 2000-291152 [25] WPIDS

DOC. NO. NON-CPI: N2000-218319

TITLE: Method for providing some way to start debugger in separate standard window or terminal session uses four programs of interest; debugger, terminal window program, debugging wrapper and program to be debugged.

DERWENT CLASS: T01

PATENT ASSIGNEE(S): (IBMC) INT BUSINESS MACHINES CORP

COUNTRY COUNT: 1

PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
RD 430154	A	20000210	(200025)*		2

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
RD 430154	A	RD 2000-430154	20000120

PRIORITY APPLN. INFO: RD 2000-430154 20000120

AN 2000-291152 [25] WPIDS

AB RD 430154 A UPAB: 20000524

NOVELTY - Debugger determines if window is available and if not starts

debuggee conventionally, creates message queue and calls fork creating child process. After processing creates work **thread** and after processing the debugger main **thread** waits for message on message queue. More processing takes place using operating system's debug facility and then debugger destroys message queue, as it's no longer needed.

USE - For providing some way to start the debuggee in a separate standard window or terminal session providing the program to be debugged start-up via shell.

ADVANTAGE - Allows debugging of programs that use the same curses **library**, for example.  
Dwg.0/0

=> d his

(FILE 'HOME' ENTERED AT 20:32:22 ON 29 OCT 2004)

FILE 'MEDLINE, BIOSIS, EMBASE, SCISEARCH, CAPLUS, WPIDS' ENTERED AT  
20:33:01 ON 29 OCT 2004

L1 7740 S THREAD AND (WRAP OR WRAPPED OR WINDING OR WIND)  
L2 265850 S LIBRARY  
L3 2 S L1 AND L2  
L4 2 DUP REM L3 (0 DUPLICATES REMOVED)

=> s thread and (wrap or wrapped or winding or wind) and spiral  
L5 392 THREAD AND (WRAP OR WRAPPED OR WINDING OR WIND) AND SPIRAL

=> s l5 and peptide  
L6 0 L5 AND PEPTIDE

=> s l5 and peptide  
PEPTIDE IS NOT A RECOGNIZED COMMAND  
The previous command name entered was not recognized by the system.  
For a list of commands available to you in the current file, enter  
"HELP COMMANDS" at an arrow prompt (=>).

=> s l5 and polypeptide  
L7 0 L5 AND POLYPEPTIDE

=> s l5 and protein  
L8 0 L5 AND PROTEIN

=> s l5 and combinatorial  
L9 0 L5 AND COMBINATORIAL

=> d his

(FILE 'HOME' ENTERED AT 20:32:22 ON 29 OCT 2004)

FILE 'MEDLINE, BIOSIS, EMBASE, SCISEARCH, CAPLUS, WPIDS' ENTERED AT  
20:33:01 ON 29 OCT 2004

L1 7740 S THREAD AND (WRAP OR WRAPPED OR WINDING OR WIND)  
L2 265850 S LIBRARY  
L3 2 S L1 AND L2  
L4 2 DUP REM L3 (0 DUPLICATES REMOVED)  
L5 392 S THREAD AND (WRAP OR WRAPPED OR WINDING OR WIND) AND SPIRAL  
L6 0 S L5 AND PEPTIDE  
L7 0 S L5 AND POLYPEPTIDE  
L8 0 S L5 AND PROTEIN  
L9 0 S L5 AND COMBINATORIAL

=> d scan l5

L5 392 ANSWERS WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN

AN 1996-322595 [33] WPIDS

TI Tubular fishing rod mfd. by **winding** strip or fibre-like material in spirals - pref. using **thread**, wire or fibre bundles of C or glass fibre and resin..

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):3

L5 392 ANSWERS WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN

AN 1990-016697 [03] WPIDS

TI Laying transverse elastic **thread** upon diaper web - involves rotary feeder wrapping **thread** about posts on web conveyor margins.

L5 392 ANSWERS WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN

AN 1984-202710 [33] WPIDS

TI Pre-compressing tool for large springs - has keyways in nut to prevent its rotation as bolt is tightened to compress spring.

L5 392 ANSWERS WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN

AN 1973-16326U [12] WPIDS

TI Tampon **winding** appts - improved draw **thread** guide sleeve for flat **spiral winding** on tampon.

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):end

=> s l5 and py>1998

L10 74 L5 AND PY>1998

=> s l5 not l10

L11 318 L5 NOT L10

=>

=> t ti l11 1-50

L11 ANSWER 1 OF 318 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN

TI Structure and formation of the egg capsule tendrils in the dogfish Scyliorhinus canicula.

L11 ANSWER 2 OF 318 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation. on STN

TI STRUCTURE AND FORMATION OF THE EGG CAPSULE TENDRILS IN THE DOGFISH SCYLIORHINUS-CANICULA

L11 ANSWER 3 OF 318 CAPLUS COPYRIGHT 2004 ACS on STN

TI Production of **spiral** stick from fiber-reinforced plastics and its apparatus

L11 ANSWER 4 OF 318 CAPLUS COPYRIGHT 2004 ACS on STN

TI Manufacture of concrete-reinforcing materials

L11 ANSWER 5 OF 318 CAPLUS COPYRIGHT 2004 ACS on STN

TI Threaded pipe construction

L11 ANSWER 6 OF 318 CAPLUS COPYRIGHT 2004 ACS on STN

TI Quartz **spiral**-torsion microbalance

L11 ANSWER 7 OF 318 CAPLUS COPYRIGHT 2004 ACS on STN  
 TI Determination of nitrogen by the Dumas method

L11 ANSWER 8 OF 318 CAPLUS COPYRIGHT 2004 ACS on STN  
 TI Distilling; treating liquids and gases

L11 ANSWER 9 OF 318 WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN  
 TI Wire embedded hose manufacture - comprises **spiral winding** of cable between inner layer and reinforcement layer with specific angle of inclination.

L11 ANSWER 10 OF 318 WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN  
 TI Solid fuel rocket engine - has sheath formed by **spiral**-circular **winding** of high modulus strands of organic fibre threads, and heat insulated coating.

L11 ANSWER 11 OF 318 WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN  
 TI Tape **winding** fibre bundling machine - sticks holding tape on tape wound spirally on periphery of fibre bundle which is then cut to specified length.

L11 ANSWER 12 OF 318 WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN  
 TI Resistance apparatus for use in exercising and rehabilitation of a user's limbs - includes housing with cable opening for threading a cable from interior to exterior, with shaft supported by housing and cylindrical reel in housing interior, and **spiral** spring providing resistance to cable.

L11 ANSWER 13 OF 318 WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN  
 TI Reel **winding** apparatus for cable, hose, wire - has sensor shaft and sensor board in which threads are formed.

L11 ANSWER 14 OF 318 WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN  
 TI Surgical needle for infusion or transfusion of solution in blood vessel - has reinforcing layer formed by spirally **winding** one or two thermoplastic resin threads over surface of inner tube in opposite directions.

L11 ANSWER 15 OF 318 WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN  
 TI Twisting machine for combined twisted **thread** production - has devices for one of the components breaking on each spindle when the other component breaks each device having a wire controlling-breaking element fitted on the L-shaped holder by means of an axle.

L11 ANSWER 16 OF 318 WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN  
 TI Shock absorber for vehicles, especially electric vehicles - comprises **spiral** spring between frame and carrier, with carrier being part of vehicle axle bearing, shock absorber having rubber blocks fixed between windings of **spiral** spring and a further rubber block between them.

L11 ANSWER 17 OF 318 WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN  
 TI Method for twisted metal articles manufacture - by unwinding individual threads from reels and displacing threads in one plane which in turn about twisting axis.

L11 ANSWER 18 OF 318 WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN  
 TI Haemostatic suture application procedure and needle - fixing suture **thread** to working end of needle which is passed in **spiral** movements through organ to produce series of figure-eight loops.



L11 ANSWER 19 OF 318 WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN  
TI Fibre-composition pipe with metal end couplings joined to it by conical threads - has end coupling threads made in different directions with profile of straight sections and curved grooves.

L11 ANSWER 20 OF 318 WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN  
TI Pipe manufacture from composite material - using weft reinforced threads to form pipe inner layer.

L11 ANSWER 21 OF 318 WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN  
TI Cylindrical paper- or cardboard-tube - is reinforced by **winding** on textile, threads etc..

L11 ANSWER 22 OF 318 WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN  
TI Unit for **thread** distribution on textile reels using **winding** machines - has bearing roller provided with outer shell made of magnetic or magnetism conducting material.

L11 ANSWER 23 OF 318 WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN  
TI Threaded paper tube used e.g. as **winding** core for synthetic fibre yarn etc - includes inner tube with **spiral** ridges on outer surface, and outer tube and tightening robe each having grooves on their inner surfaces, with total length of tube changeable by adjusting screwing extent between inner and outer tubes.

L11 ANSWER 24 OF 318 WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN  
TI Throttle for gas-air and hydraulic flow regulation in pipelines - has flexible regulating element made as truncated cone formed by the **spiral** twist of a circular sector, and placed between truncated conical surface of lock nut and bearing element.

L11 ANSWER 25 OF 318 WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN  
TI Reversing drive for **thread** guides for cross spool winder - has **thread** guides linked by sealing cover which moves in a slot allowing simultaneous **winding** of several spools.

L11 ANSWER 26 OF 318 WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN  
TI High speed traversing appts. for **thread** winder having smooth reversal - has disc rolling on rail track which curves smoothly at rail ends, carrying **thread** guides between reversing points.

L11 ANSWER 27 OF 318 WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN  
TI Long complex profile composite-fibrous articles production - by placing **thread** layers longitudinally and **winding thread** spirally, after profiling blank is twisted in plastic state along axis.

L11 ANSWER 28 OF 318 WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN  
TI Rope aligning and **winding** equipment for power transmission belt mfr. - has driving forming and driven forming pulleys having initial **winding** section **spiral thread** groove, aligning section **spiral** forming groove and finishing section without groove.

L11 ANSWER 29 OF 318 WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN  
TI Atraumatic surgical needle manufacturing procedure - **winding** round-section wire rod onto smooth mandrel and subjecting to heat treatment before cutting into sections.

L11 ANSWER 30 OF 318 WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN  
TI Tubular fishing rod mfd. by **winding** strip or fibre-like material in spirals - pref. using **thread**, wire or fibre bundles of C or

glass fibre and resin..

- L11 ANSWER 31 OF 318 WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN  
TI Coaxial heat pipe for space rocket thermal regulation system - has capillary structure made of nap material whose rigid tow and **thread** hairs are directed at right angles.
- L11 ANSWER 32 OF 318 WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN  
TI Cigarette with integrated extinguisher for lighted end - has filter tip containing water cartridge, metal ring, and combustible tube inside tobacco in paper wrapping.
- L11 ANSWER 33 OF 318 WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN  
TI Contact drive roller in a spool winder avoids **thread** wrapping round - by having surface coat with regular depressions, i.e. identical spherical shapes, straight displaced or **spiral** grooves extending lengthwise.
- L11 ANSWER 34 OF 318 WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN  
TI Pulsed accelerator for generating beams of charge particles - has ends of uni-potential plates closed in forming strip lines and enveloping parts and ferro-magnetic fill.
- L11 ANSWER 35 OF 318 WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN  
TI Electric drive electromagnetic motor - has inductor with armature and shaft **winding** positioned in its grooves and short-circuited **winding**.
- L11 ANSWER 36 OF 318 WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN  
TI Preparation of self crimpable polyester multifilament yarn - comprises melt spinning polyester containing ethylene terephthalate , cooling and heat drawing, and **winding**.
- L11 ANSWER 37 OF 318 WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN  
TI Precision control actuator arm for robotics - is braced by **spiral** spring made from flat profile windings and with threaded cables for tension and position control.
- L11 ANSWER 38 OF 318 WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN  
TI Instrument for dressing dilated varicose veins - has handle, helical **spiral** and eye.
- L11 ANSWER 39 OF 318 WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN  
TI Assembly brackets for panels of sandwich composition - are made from wire spirals wound round **winding** axes for their whole length which is then solidified by surface coating wire.
- L11 ANSWER 40 OF 318 WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN  
TI Vascular prosthesis giving even contact with surface of vessel - comprising section of blood vessel from human or animal body covered with tubular network of threads, stretched or compressed at intervals,.
- L11 ANSWER 41 OF 318 WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN  
TI Flexible coupling for rigid pipe sections - has connecting ring with inner **thread** to compress flexible pipe onto rigid one.
- L11 ANSWER 42 OF 318 WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN  
TI Pneumatic-tyre carcasses **winding** equipment useful for tyre industry - comprises roller chain, with reverse arms, carries spool of carcass-reinforcing **thread** in relation to mandrel bearing inner carcass element.

L11 ANSWER 43 OF 318 WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN  
 TI Mfg. coils or spirals from fruit gum strands - by using winder with minimum two **winding** units passing threading station cyclically.

L11 ANSWER 44 OF 318 WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN  
 TI Pneumatic tyre making process - by passing locking **thread** additionally through loop of reinforcing **thread** on each pitch of **spiral winding, winding** it round side ring in plane of its cross section.

L11 ANSWER 45 OF 318 WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN  
 TI Reinforcing **thread** fixing process for tyre-side rings - involves drawing out first branch under tension from fixing knot and then passing it through analogous branch of preceding loop.

L11 ANSWER 46 OF 318 WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN  
 TI Pneumatic tyre mfg. process useful for tyre industry for high quality - by supplying reinforcing **thread** along equatorial plane of internal body and laying on surface by drawing out two loops simultaneously.

L11 ANSWER 47 OF 318 WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN  
 TI Winder for **winding** and unwinding cables, wires, flexible tube, pipes or optical fibre - has winder with axial movement of drum and **spiral** guide to carry axially-fed filament from slot in shaft to rim of drum.

L11 ANSWER 48 OF 318 WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN  
 TI Needle for surgical operations - has diamond-shaped point, and **spiral**-shaped shank with defined number of windings.

L11 ANSWER 49 OF 318 WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN  
 TI Drilling equipment - has hard alloy cutters on lower end of drill rod.

L11 ANSWER 50 OF 318 WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN  
 TI **Spiral** steel wire based mesh fabricator - comprises chuck rotating needle in threaded tube in order to **wind** two wires in one direction for cutting and orientation NoAbstract.

=> s l11 and storage

L12 6 L11 AND STORAGE

=> t ti l12 1-6

L12 ANSWER 1 OF 6 WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN  
 TI Pulsed accelerator for generating beams of charge particles - has ends of uni-potential plates closed in forming strip lines and enveloping parts and ferro-magnetic fill.

L12 ANSWER 2 OF 6 WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN  
 TI Plastics cap for screwed pipe end - comprises profiled strip wound in overlapping **spiral** with reinforcing mat.

L12 ANSWER 3 OF 6 WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN  
 TI Yarn winder - has traverse guides reversed at stroke ends where units store energy and then release it.

L12 ANSWER 4 OF 6 WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN  
 TI **Storage** and dispenser for thin, flat items - has numerous retaining compartments, interconnected by helical portion, for short compartment separation.

L12 ANSWER 5 OF 6 WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN  
TI Threading ferrite cores of core store - by rotating wire about axis, while drawing from spool and threading through cores by friction rollers and axial airflow.

L12 ANSWER 6 OF 6 WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN  
TI Packing system in sheet material - guides tear-open **thread** against item inside wrapping material.

=> d ibib abs 112 4

L12 ANSWER 4 OF 6 WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN  
ACCESSION NUMBER: 1987-328835 [47] WPIDS  
DOC. NO. NON-CPI: N1987-246120  
TITLE: **Storage** and dispenser for thin, flat items - has numerous retaining compartments, interconnected by helical portion, for short compartment separation.  
DERWENT CLASS: Q36  
INVENTOR(S): KLOUDA, J  
PATENT ASSIGNEE(S): (HASL) HASLER AG; (HASL) HASLER GMBH  
COUNTRY COUNT: 7  
PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
EP 246585	A	19871125	(198747)*	GE	23
R: AT CH DE FR GB LI SE					
DE 3617063	A	19880310	(198811)		8
DE 3617063	C	19900118	(199004)		
EP 246585	B	19911204	(199149)		
R: AT CH DE FR GB LI SE					
DE 3774929	G	19920116	(199204)		

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
EP 246585	A	EP 1987-107133	19870517
DE 3617063	A	DE 1986-3617063	19860521

PRIORITY APPLN. INFO: DE 1986-3616784 19860517; DE  
1986-3617063 19860521

AN 1987-328835 [47] WPIDS

AB EP 246585 A UPAB: 19930922

The items are stored flat in a series of flat compartment walls (20) which are supported by a **spiral** track (10) around a central shaft (30). As the shaft rotates, the compartments are moved axially.

The items are then moved past a transfer position for loading and dispensing. The **spiral** is formed by a flat strip wound around the shaft, which has a corresponding groove for the item supply and discharge via an aperture.

USE/ADVANTAGE - For handling banknotes or coins, with compact and reliable design.  
5/14

ABEQ DE 3617063 C UPAB: 19930922

An arrangement for storing and dispensing thin objects (70) or sheets has a number of separable containers arranged one above the other which each two separated by at least two rotatable hollow cylinder elements (30") with helical outer slots. The cylinder elements are axially movable on a rotatably driven hollow shaft with one or more longitudinal slots.

The cylinder elements are adjusted in height by rotation of the shaft via a dog and **thread** arrangement and their slots are engaged by a helical part (10") with a number of **winding** surface corresp. to the number of containers. A roller arrangement (60',61') rotates in one direction for insertion and in the opposite direction for dispensing of the objects.

USE/ADVANTAGE - E.g. for storing and dispensing bank notes. A large number of objects can be stored individually and reliably dispensed individually using a compact system.

ABEQ EP 246585 B UPAB: 19930922

Device for storing and delivering thin flat articles comprising receiving compartments which are formed by trays (20; 20'; 20") and for the guiding and local separation of which cylindrical elements (30, 30', 30") having a helical groove (31; 31') are provided, and a means for supplying the articles having a opening (40; 40') stationary in a housing (50, 50'), characterised in that in the groove (31; 31') of the cylindrical elements (30; 30') a helicoidally formed member (10; 1U') is guided and each tray (20; 20'; 20") is fixedly connected to a respective convolution surface of the helicoidally formed member (10, 10').

=> FIL STNGUIDE  
COST IN U.S. DOLLARS  
  
FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
84.93	85.14

FILE 'STNGUIDE' ENTERED AT 20:42:39 ON 29 OCT 2004  
USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT  
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FILE CONTAINS CURRENT INFORMATION.  
LAST RELOADED: Oct 22, 2004 (20041022/UP).

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(FILE 'HOME' ENTERED AT 20:32:22 ON 29 OCT 2004)

FILE 'MEDLINE, BIOSIS, EMBASE, SCISEARCH, CAPLUS, WPIDS' ENTERED AT  
20:33:01 ON 29 OCT 2004

L1	7740 S THREAD AND (WRAP OR WRAPPED OR WINDING OR WIND)
L2	265850 S LIBRARY
L3	2 S L1 AND L2
L4	2 DUP REM L3 (0 DUPLICATES REMOVED)
L5	392 S THREAD AND (WRAP OR WRAPPED OR WINDING OR WIND) AND SPIRAL
L6	0 S L5 AND PEPTIDE
L7	0 S L5 AND POLYPEPTIDE
L8	0 S L5 AND PROTEIN
L9	0 S L5 AND COMBINATORIAL
L10	74 S L5 AND PY>1998
L11	318 S L5 NOT L10
L12	6 S L11 AND STORAGE

FILE 'STNGUIDE' ENTERED AT 20:42:39 ON 29 OCT 2004

=> logoff y  
COST IN U.S. DOLLARS  
  
FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
0.54	85.68

STN INTERNATIONAL LOGOFF AT 20:48:12 ON 29 OCT 2004